

SPECIAL PAPERS ON GENERAL METEOROLOGY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Librarian.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Anonymous publications are indicated by a _____.

Aichiken. Meteorological observatory.

Hailstorm that devastated the plane [sic] of Owari, April 19, 1912. [Japanese] [Nagoya. 1912.] 8°.
Rivers and floods. Water levels in relation to rainfall. [Japanese] [Nagoya. 1912.] 8°.

Allingham, William.

Weather signs and how to read them. For use at sea. Glasgow. 1912. vii, 117 p. 12°.

Australia. Commonwealth bureau of meteorology.

Rainfall map of Australia [and Tasmania] for the year 1911. [Melbourne. 1912.] 56 $\frac{1}{2}$ by 66 cm.
Results of rainfall observations made in Victoria during 1840 to 1910. Including all available . . . totals. [Compiled by Quayle and Hodge.] Melbourne. [1911?] xxxviii, 55 p. maps. f°.

Bahr, Heinrich.

Die interdiurne Veränderlichkeit des Luftdrucks. [Berlin.] 100 p. 8°. (Diss.—Berlin, 1910.)

Bavaria. K. Bayerisches hydrotechnisches Bureau.

Jahrbuch für 1911, Heft I—Niederschlagsbeobachtungen. München. [1912]. xii, 227 p. f°.

Belgium. Observatoire royal de Belgique.

Annuaire météorologique, 1912. Bruxelles. 1911. vi, 271 p. 12°.

British association for the advancement of science.

Report of the 80th meeting, Portsmouth, 1911. London. 1912. cxlviii, 804 p. 8°.

Buitenzorg. Institut botanique de l'Etat.

Observations météorologiques, année 1910. [Batavia.] f°.

Church, James E., jr., & Ferguson, S. P.

The avoidance and prevention of frost in the fruit belts of Nevada. Reno, Nev. 1912. 58 p. 16 pl. 8°. (Nevada agric. exper. sta. Bull. 79.)

Cohen, Julius B. & Ruston, Arthur G.

Smoke, a study of town air. London. 1912. vi, 88 p. 8°.

Denmark. Meteorologiske Institut.

Nautical-meteorological annual, 1911. Kjøbenhavn. 1912. 154 p. pl. f°.

Dreis, J.

Aus dem Reich der Wolken. Stuttgart. 1911. 121 p. 12°. (Deutsche Jugend- und Volksbibliothek, Band 231.)

Grenander, Sven.

Über das Erscheinen der Seebreeze an der schwedischen Ostküste. Uppsala. 1912. 97 p. pl. 8°. (Diss.—Uppsala?)

Hennig, Richard.

Die angebliche Kenntnis des Blitzableiters vor Franklin. Leipzig. 1909. 8°. (Reprint: Archiv, Geschichte Nat.-wiss. u. d. Technik, 1909, Bd. 2, p. 97-136.)

Hesse. Grossherzogl. hydrographisches Bureau.

Niederschlagsbeobachtungen, 1911. 11. Jahrgang. Darmstadt. 1912. 74 p. f°.

India. Meteorological department.

Memorandum on meteorological conditions prevailing before the advent of the SW. monsoon of 1912, by Gilbert T. Walker. Simla. 1912. 3 p. f°.

Greene, Laurenz.

Orchard heating. Ames, Ia. [1912.] 8°. (Iowa agricultural exper. sta. Bull. 129, p. 131-164.)

Jans, C. de.

Coup d'œil rétrospectif sur les essais d'explication de la foudre globulaire. Bruxelles. [1912]. 48 p. 8°. (Reprint: Ciel et terre, Bruxelles, 1910, 1911, 1912.)

Jochimsen, [C.]

Die Phänologie und die Klimakunde im Dienste des Obstbaus und der Landwirtschaft. [Reprint: Fühlings landwirtschaft. Zeitung, Stuttgart, 1. Jan. 1912, 61. Jahrgang, p. 26-32.]

Kretzer, Eduard.

Beziehungen zwischen dem täglichen Gang der Temperatur an der Bodenoberfläche und in den untersten Luftsichten. [Berlin. 1912.] 91 p. 4°. (Diss.—Berlin, 1912.)

Lindsay, George A.

The annual rainfall and temperature of the United States. (Read, June 5, 1911.) (From: Trans. ac. sci. of St. Louis, 1912, v. 21, No. 2, p. 71-78.)

Loisel, Julien.

Atlas photographique des nuages. Paris. [1911.] 4 p. 10 pl. f°.

Milan. R. Osservatorio astronomico di Brera.

Osservazioni meteorologiche e geofisiche, 1911. Milano. 1912. xi, 53 p. 4°.

Mohn, Henrik.

Hypsometret som Lufttryksmaaler. Kristiania. 1911. 10 p. 8°. (Vidensk. Forhdl., 1911. No. 2.)

Norton, Thomas H.

Utilization of atmospheric nitrogen. Washington. 1912. 178 p. 8°. (U. S. Bureau of manufactures. Special agent ser. No. 52.)

Norway. Norske meteorologiske Institut.

Aarsberetning for 1910/11. [Kristiania.] 1911. 12°. Jahrbuch, für 1911. Kristiania. 1912. xiv, 122 p. f°. Nedbørriagtageleser i Norge. Aargang 17, 1911. Kristiania. 1912. xii, 79, 75 p. f°. Oversigt over luftens Temperatur og Nedbøren i Norge i aaret 1910. [Kristiania.] [1911.] 21 p. 8°.

Radcliffe observatory.

Results of meteorological observations, 1906-1910. Oxford. 1912. xvi, 130 p. 4°.

Reed, William F., jr.

Climatology of Pensacola, Fla., [Pensacola. 1912.] 18 p. 4°. [Mimeographed.]

Southport. Fernley observatory.

Report and results of observations, 1911. Southport. 1912. 32 p. 8°.

Switzerland. Schweizerische meteorologische Central-Anstalt. Annalen, 1910. 47. Jhrg. Zürich. [1912?] var. pag. f°.
United States. National waterways commission.

Final report [with appendices.] Washington. 1912. 579 p. 8°. (62d Cong. 2d sess. Senate doc. 469.) [In appendix V, R. Zon discusses "Forest and water in the light of scientific investigation."]

RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a _____.

American journal of science. New Haven. ser. 4. v. 84. July, 1912. W., H. L. The higher layers of the atmosphere. p. 88-90. [Abstract of paper by A. Wegener.]

Cairo scientific journal. Alexandria. v. 6. May, 1912.

Craig, J. L. Evaporation in Egypt and the Sudan. p. 103-107.

Country gentleman. Philadelphia. v. 77. July 6, 1912.

— The souring of milk by thunderstorms p. 10.

Electrical world. New York. v. 66. July 6, 1912.

Kellogg, E. W. Lightning conductors. p. 60. [Discusses advantages of different sized wires for conductors.]